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Headquarters, Joint Task Force SEVEN  
APO 437, San Francisco, California  
22 May 1958

Operation Order 20-58 (TOBACCO Event)

1. SITUATION

- a. Information and instructions contained herein supplement JTF SEVEN Operation Order 1-58, dated 1 October 1957, with changes thereto.
- b. TOBACCO will be detonated on a barge moored at Station 30, 3,000 feet southwest of Janet Island, ENIWETOK Atoll. The time and date of detonation will be announced at a later date.
- c. Ships will remain in the ENIWETOK Lagoon and all personnel except those authorized will be located on FRED, DAVID and ELMER Islands. See Appendix 20 to Annex N, attached.
- d. TOBACCO is expected to produce significant fallout; therefore, post-shot cloud sampling, radsafe re-entry reconnaissance and barrier patrols will be necessary. Search areas will be delineated by this Headquarters on D-3 and D-2. Search of the danger area will commence on D-2.
- e. The over pressure and thermal energy expected at sites FRED, ELMER and DAVID will be negligible. No destructive or hazardous effects are anticipated at these sites.

2. SPECIFIC INSTRUCTIONS

a. TG 7.1

- (1) Position the TOBACCO device on a barge off JANET Island, ENIWETOK Atoll for a detonation about 26 May. Specific authority to arm and detonate the device will be obtained from CJTF SEVEN.
- (2) Conduct the initial post-shot radsafe and damage survey.

b. TG 7.3

- (1) Position all TG 7.3 ships so as to be on station at H-30 minutes.
- (2) On order of CJTF SEVEN provide aircraft for radsafe reconnaissance and barrier patrol as required.

c. TG 7.4

- (1) Provide sampling aircraft as required.
- (2) Ensure that participating aircraft are on station at H-5 minutes. CJTF SEVEN will be notified immediately if participating aircraft will not be in position to accomplish their assigned mission at H-Hour.
- (3) Monitor CPS-9 scope and pass TOBACCO cloud information to JTF SEVEN Radsafe Office.
- (4) Pass radsafe information obtained from cloud sampling and barrier patrol aircraft to JTF SEVEN Radsafe Office.

3. GENERAL INSTRUCTIONS

- a. All personnel located at ENIWETOK Atoll are within viewing distance of the TOBACCO fireball, and are susceptible to eye damage. Therefore, all personnel who are not supplied with protective goggles

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will turn away from the detonation point and close their eyes during the time of burst. At least ten seconds should be allowed before looking at the burst.

- b. The JTF SEVEN CHECK LIST - BIKINI and ENIWETOK EVENTS, dated 10 May 1958, is changed as follows for TOBACCO Event:

- (1) Delete the following items: 5, 6, 11, 13, 14, 33, 38 and 39.
- (2) Change the following items to read as indicated below:

ITEM	DAY	HOOR	EVENT	JTF SEVEN ACTION
16.	D-Day	Early	Same	Same
34.	Same	Same	TG 7.1 commences Radsafe and damage survey by hepctr.	Radsafe officer monitors this event.

#### 4. COMMAND

- a. Command of the operation will be exercised by CJTF SEVEN from the JTF SEVEN Command Post on ELMER Island.
- b. Command Post locations:
  - (1) CTG 7.1 ELMER Island
  - (2) CTG 7.2 FRED Island
  - (3) CTG 7.3 USS BOXER
  - (4) CTG 7.4 FRED Island
  - (5) CTG 7.5 ELMER Island

#### 5. COMMUNICATIONS

- a. The frequencies authorized for use during TOBACCO are listed in Annex A, attached hereto.
- b. The time-count-down will be provided as outlined in SCI 10-14, paragraph 6 applies.
- c. General instructions contained in paragraph 7b, part 4 of Annex "I" to JTF SEVEN Operation Order 1-58 apply.
- d. The radio silence period for TOBACCO is from H-3 minutes to H+2 minutes. All frequencies and communications systems not listed in Annex A hereto will be shut down during this radio silence period.

#### ADDENDA:

Annex A, Frequency Plan  
TOBACCO Event  
Appendix 20 to Annex N, Emergency & Routine Evacuation & Re-entry Plan.

A. R. LUEDECKE  
Major General, USAF  
Commander

#### DISTRIBUTION:

CTG 7.1 (25)/CTG 7.2 (5)  
CTG 7.3 (25)/CTG 7.4(10)  
CTG 7.5 (12)/TG 7.3 DET (3)

#### OFFICIAL:

THOMAS S. JEFFREY, JR.  
Colonel, USAF  
ACofS, J-3

Approved	
By	
Distribution	
Collection Code	
Form 100-10	
A-1	

Headquarters, Joint Task Force SEVEN  
APO 437, San Francisco, California  
22 May 1958

Annex A to Joint Task Force SEVEN OpnO 20-58 (TOBACCO EVENT)  
FREQUENCY PLAN-TOBACCO EVENT

1. The following circuits and frequencies are authorized to operate during the "Radio Silence" period from H-3 to H+2 minutes for TOBACCO EVENT:

<u>"J"</u>	<u>FREQUENCY</u>	<u>PROJ OR TG</u>	<u>TX LOCATION</u>	<u>REMARKS</u>
J-101	906 mc	TG 7.5	NAN	Tropo
	952 mc	" "	ELMER	"
J-122	1285 mc	WADC	NAN	AN/SPS-6
J-133.6	153.89 mc	TG 7.1	ELMER	Count-down
.7	158.51 mc	TU-5	ELMER	Radio T.me#2
J-141	217 mc	LASL	ZERO SITE	(Diagnostic
	225 mc	" "	" "	(Telemeter
J-145.1	164.375 mc	TG 7.1	ELMER	(Command (Base)
	170.725 mc	" "	" "	" (Mobile)
J-145.3	164.225 mc	TU-1	ELMER	TU-1 (Base)
	167.825 mc	" "	" "	" (Mobile)
J-147.1	2700-2900 mc	Proj 5.1	FRED	AN/MSQ-1A
J-152	995 mc	NASWF	FRED	(TACAN ((To be
	1058 mc	" "	Acft	(used only in
				(case of fail-
				(ure of TG 7.4
				(set);
J-158	9375 mc	TG 7.1, 7.4	Acft	Sec Position
J-174.1	153.89 mc	TG 7.1	ELMER	Count-down
.2	243.0 mc	" "	" "	" "
J-184.2	3850 $\pm$ 50 mc	Proj 34.1	ZERO SITE	(Diagnostic
	4050 $\pm$ 50 mc	" "	" "	(Telemeter
J-185	9375 mc	TU-5	ELMER	Wx Radar
J-188	9085 mc	Proj 5.2	FRED	Mk 33 Radar
	9110 mc	" "	Acft	Beacon
	9135 mc	Proj 5.3	FRED	Mk 33 Radar
	9160 mc	" "	Acft	Beacon
	9185 mc	" "	FRED	Mk 33 Radar
	9210 mc	" "	Acft	Beacon
	9235 mc	Proj 5.2	FRED	Mk 33 Radar
	9260 mc	" "	Acft	Beacon

<u>*J*</u>	<u>FREQUENCY</u>	<u>PROJ OR TG</u>	<u>TX LOCATION</u>	<u>REMARKS</u>
J-232	1895 mc 1855 mc	TG 7.2 TG 7.5	FRED, DAVID ELMER	Microwave "
J-315	300.5 mc 322.5 mc	TG 7.5 TG 7.3	NAN BOXER	AN/TRC Ciphony " "
J-328	302.5 mc 304.5 mc 324.5 mc 326.5 mc	TG 7.5 " " TG 7.5 TG 7.3	NAN " AINSWORTH BOXER	(AN/TRC to (ships AN/TRC to NAN AN/TRC to NAN
J-418.2	2780-2820 mc 9000-9160 mc	TG 7.4 " "	FRED "	GCA Search GCA Approach
J-420.4 .5 .6	352 kc 300 kc 330 kc	TG 7.4 " " " "	KAPINGAMRANGI KUSAIE UTERIK	LF Homer " " " "
J-421	1012 mc 1077 mc	TG 7.4 " "	FRED Acft	TACAN "
J-422	1030 mc 1090 mc	TG 7.4 " "	FRED Acft	IFF "
J-428	249.8 mc 269.3 mc 282.8 mc 299.6 mc 310.6 mc 320.2 mc 325.6 mc 352.2 mc 353.0 mc 355.4 mc 369.8 mc 373.8 mc 381.8 mc 386.6 mc 387.4 mc	TG 7.1, 7.4 "	FRED & ACFT "	(Spec Control (Silence H-5 (sec to "H" "
(NOTE: Exact frequency plan to be derived jointly by TG 7.1 and TG 7.4)				
J-446.2	243.0 mc 238.4 mc	TG 7.4 " "	Weather Is. "	

2. The following circuits and frequencies are authorized to operate during the "silent" period only in case of emergency or urgent necessity:

J-115	52.1 mc	TG 7.5	Boat Pool, ELMER-NAN
J-159	143.10 mc 149.40 mc	TU-3	Air/Ground
J-221	41.9, 43.5 mc	TG 7.2, 7.5	Military Police

<u>"J"</u>	<u>FREQUENCY</u>	<u>PROJ OR TG</u>	<u>TX LOCATION</u>	<u>REMARKS</u>
J-301	277.8 mc 644.5 kc 2744 kc 5475 kc	TG 7.3	Tactical	
J-303	4062 kc 9117.5 kc	TG 7.3	Ship-Shore	
J-309	500 kc	All	Distress	
J-310	3023.5 kc	All	Search & Rescue	
J-311	121.5 mc 243.0 mc	All	Distress	
J-319A	5725.5 kc 9009.5 kc	TG 7.3	Acft Control & Report	
J-326	52.8 mc 51.6 mc 54.4 mc	TG 7.5, 7.3	Boats in distress	
J-327	236.6 mc	TG 7.3	Helicopters in distress, BIKINI	
J-331	52.4 mc	TG 7.3	RADSATE	
J-412	173.575 mc	TG 7.4	Fire-Crash	
J-417	236.6, 257.0 mc 275.8, 243.0 mc 126.18, 121.5 mc	TG 7.4	Emergencies only	
J-432	165.125 mc	TG 7.4	Maint Expeditor	
J-439	3247.5 kc  5145.0 kc 9062.5 kc 3340.0 kc 5227.0 kc 6780.0 kc 9270.0 kc 14,422.5 kc	TG 7.4	Fixed	Microbarograph readings at H+2

<u>"J"</u>	<u>FREQUENCY</u>	<u>PROJ OR TG</u>	<u>TX LOCATION</u>	<u>REMARKS</u>
J-445	236.6 mc 243.0 mc 363.8 mc	TG 7.4	Acft in distress	NAN Tower

3. Circuits and frequencies not specifically designated in paragraphs 1 or 2 will not be used during the "silent period". Where transmitters may be keyed accidentally, action will be taken to disable the transmitters during the "silent period".

OFFICIAL:

A. R. LUEDECKE  
Major General, USAF  
Commander

*[Signature]*  
for HUGH A. VEST  
Colonel GS  
ACofS J-5

Headquarters, Joint Task Force SEVEN  
APO 437, San Francisco, California  
22 May 1958

APPENDIX 20 TO ANNEX N, EMERGENCY AND ROUTINE EVACUATION RE-ENTRY PLAN TO  
JTF SEVEN OPERATION ORDER 1-58

1. Musters will be conducted at ENIWETOK and BIKINI Atolls for the TOBACCO Event. A muster status report will only be required at 1900 on D-1. Final reports will be made by Task Group Commanders as soon as evacuation or accounting of personnel of the Task Groups has been completed.
2. Task Group Commanders and the Headquarters, JTF SEVEN, Evacuation Officer will advise the JTF SEVEN Evacuation Officer regarding safety of personnel at H+20 minutes.
3. Re-entry hour will be established by CJTF SEVEN.
4. Allocation of ship space in the event of emergency evacuation will be contained in CTG 7.3 Operation Order for this event.